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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/540,191	06/20/2005	Sonja Salmon	10357.504-US	1166
25908	7590	10/06/2010	EXAMINER	
NOVOZYMES NORTH AMERICA, INC. 500 FIFTH AVENUE SUITE 1600 NEW YORK, NY 10110			KHAN, AMINA S	
			ART UNIT	PAPER NUMBER
			1796	
			NOTIFICATION DATE	DELIVERY MODE
			10/06/2010	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

Patents-US-NY@novozyymes.com

Office Action Summary	Application No.	Applicant(s)	
	10/540,191	SALMON ET AL.	
	Examiner	Art Unit	
	AMINA KHAN	1796	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 9/27/2010.
 2a) This action is FINAL. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 62-72 and 85-89 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 62-72 and 85-89 is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____ .
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)	5) <input type="checkbox"/> Notice of Informal Patent Application
Paper No(s)/Mail Date _____.	6) <input type="checkbox"/> Other: _____ .

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on September 27, 2010 has been entered.
2. Claims 62-72 and 85-89 are pending. Claims 1-61 and 73-84 have been cancelled.
3. All prior rejections are withdrawn.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

5. Claims 62-72 and 85-89 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wang (US 2002/0007516) and further in view of Schneider et al. (US 6,165,761).

Wang teach laundry detergent composition (paragraph 0104) comprising peroxide (paragraph 0041) wherein the textiles are simultaneously de-sized, scoured and bleached (paragraph 0011) in a textile manufacturing process (paragraph 0111). Wang teach treating cottons and other cellulosics (paragraph 0111).

Wang do not specifically teach generating peroxide using carbohydrate oxidases and the concentration of the carbohydrate oxidase.

Schneider et al. teach a novel carbohydrate oxidase having the capability to oxidize maltodextrins and celldextrins more efficiently than glucose may be obtained from a strain of Microdochium, particularly M. nivale or a fungal source (column 4, lines 15-25 and 45-55; column 5, lines 5-10, column 12, lines 55-65). Schneider et al. further teach using substrates at concentrations of 10mM or less such as maltooligosaccharides having a degree of polymerization of 2-6 specifically, glucose, xylose, maltose, maltotriose or maltotetraose (column 3, lines 50-65) at pH ranges of 4-9 (column 4, lines 35-50). Schneider et al. further teach the use of these oxidases and substrates as components of laundry detergents to produce hydrogen peroxide (column 20, lines 25-40).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the methods of Wang by incorporating the carbohydrate oxidases and substrates of Schneider because Schneider teach these components as

an effective way of producing hydrogen peroxide in laundering detergents and Wang teach the addition of hydrogen peroxide to laundry detergents in textile manufacture. Regarding the concentrations of the carbohydrate oxidase and substrate, since the combination of these components is responsible for the concentration of hydrogen peroxide produced and in turn the hydrogen peroxide concentration is responsible for the level of bleaching of the fabric, it would have been obvious that optimization of the oxidase and substrate amounts would allow production of the desired bleaching effect.

Response to Arguments

6. Applicant's declaration under 37 CFR 1.132 filed on September 27, 2010 only provides unexpected data for the specific *M. nivale* carbohydrate oxidase and not the genus of all carbohydrate oxidases claimed in claim 1.

Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to AMINA KHAN whose telephone number is (571)272-5573. The examiner can normally be reached on Monday through Friday, 8:30-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vasu Jagannathan can be reached on (571) 272-1119. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Amina Khan/
Examiner, Art Unit 1796
September 30, 2010